ARCAM

Handbook

Manuel

Handbuch

Handleiding

muso

safety guidelines

This product is designed and manufactured to meet strict quality and safety standards. However, you should be aware of the following installation and operation precautions.

1. Take heed of warnings and instructions

You should read all the safety and operating instructions before using this speaker. Retain this handbook for future reference and adhere to all warnings in the handbook or on the speaker.

2. Climate

The speaker has been designed for use in moderate climates.

3. Siting the speaker

The speaker is designed for placing on a stand or wall bracket. It should be sited where speaker leads do not cause a trip hazard.

4. Cleaning

The cabinet should normally only require a wipe with a soft, damp, lint-free cloth. Do not use paint thinners or other chemical solvents for cleaning. We do not advise the use of furniture cleaning sprays or polishes.

5. Servicing

You should not attempt to service or repair the speaker. All servicing or repair should be referred to qualified service personnel.

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thank you...

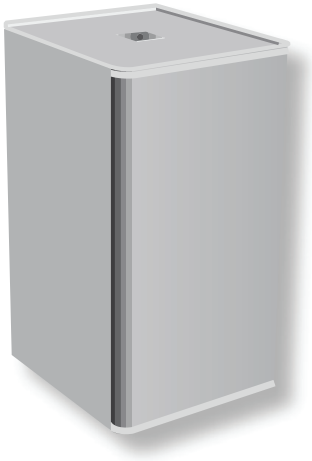
English

... and congratulations for buying the Arcam Muso loudspeakers.

The Muso speaker is a compact, two-way design that uses very high quality materials throughout. This speaker has been designed to produce a stunningly accurate, powerful and musical performance in a compact and elegantly understated cabinet.

Please take a moment to read this handbook, as the advice that it contains will enable you to get the maximum benefit from your purchase.

The Muso Development Team



What's in the box?

- Arcam Muso satellite speaker
- rubber speaker mat
- this Handbook!

muso

installation

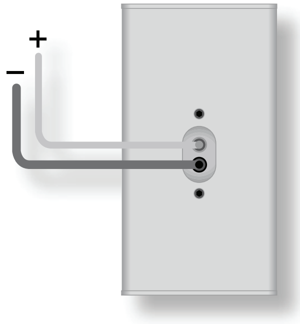
Interconnect cables

We recommend the use of high-quality audio interconnect cables to ensure the best performance of your system. All cables should be kept as short as practically possible.

It is good practice to make sure that any mains power-supply cabling is kept as far away as possible from your audio cables, to eliminate unwanted noise in the audio signals.

Connecting to a sound source

Check that your amplifier/sound processor/receiver is switched off before connecting Muso. Failure to do this may result in both speaker and amplifier damage.



Refer to your amplifier/receiver/sound processor handbook to identify the speaker terminals and their polarity. For each speaker, connect the positive terminal of the amplifier (normally coloured red or labelled with '**+**') to the **red** (positive) terminals on Muso. Similarly, connect the negative terminal of the amplifier (normally coloured black or labelled with '**–**') to the **black** (negative) terminals on Muso.

After connecting

Turn the sound source amplifier volume down to minimum before switching on. Switch the amplifier(s) on, select a source signal, then gradually increase the volume to the required listening level.

Rubber mat

We recommend you sit the Muso speaker on the rubber mat supplied. The mat fits inside the recessed area of the speaker base and provides a stable, non-slip surface that helps to acoustically decouple the speaker from its support.

Detachable speaker cover

Although the metal front grille is effectively acoustically transparent, some users prefer speakers with an 'open' appearance. The cover is secured by four magnets and can be easily detached and replaced.

In removing the cover (and during storage), be careful not to bend or twist the grille as it is a precise fit with the speaker. The tweeter unit has a metal guard to protect it, but take care not to damage either drive unit, or place any object in the port opening.

Care of your speakers

Running-in

In the same way as a new car requires a 'running-in' period, so do all loudspeakers. Your Muso speaker may sound good when you first connect it, but with time it will improve dramatically. Expect about 50 hours use before the full potential of your Muso is realised.

Power handling

Arcam speakers are designed to reproduce recorded music under normal domestic conditions. We do not recommend nor warrant them for commercial applications, such as discothèques, public address, etc.

Bearing this in mind, these speakers will perform well and safely with hi-fi amplifiers rated between 20 and 100 watts per channel. Care must be taken, however, to avoid amplifier overload or 'clipping'. Apart from possible damage to the amplifier, this can (and does) damage loudspeakers. In this respect, an overdriven low-powered amplifier is more likely to cause damage than a properly used high-powered one.

Speaker stands/wall brackets

The more firmly a speaker is held, the better it will sound.

This is best achieved by using sturdy, metal, speaker stands or wall brackets. In the case of stands, properly damped types that do not 'ring' when tapped with a pencil are recommended. It is helpful to have stands with adjustable spikes or spacers to eliminate rocking movements in the speakers. Suitable speaker stands or wall brackets are available from your Arcam dealer.

If the Muso speakers are to be shelf-mounted, remember to sit the speaker on the rubber speaker mat supplied.

Cleaning

To clean your speakers use a soft, slightly dampened cloth to wipe off any dust or dirt. Do not use solvent-based or chemical cleaning products as these may damage the finish of the speaker cabinet.

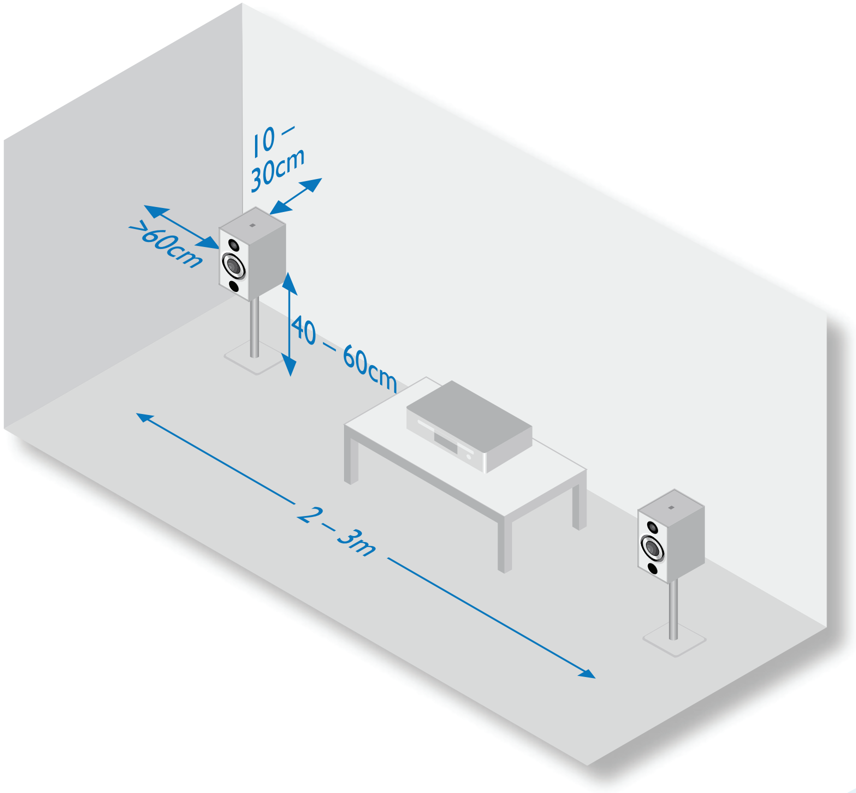
speaker positioning: stereo

For optimum results these speakers should be placed on rigid stands or wall brackets close to a rear wall and at least 60cm from any side wall. As an alternative, these speakers may be placed on a shelf or bookshelf, but the shelf must be of solid construction. Muso speakers should never be placed on the floor, or in corners.

The Muso speakers will give best results with the tweeters (the smaller of the two speaker cones) at, or just below, ear height when the listener is seated.

The final sound will, of course, depend on the acoustics of the listening room, and experimentation with speaker positioning and furnishings is definitely worthwhile. As a starting point, we suggest that the speakers should be placed 2–3 metres apart with their back 10–30cm from the rear wall. The bass output may then be increased or decreased by moving the speakers closer to or further away from the wall. Turning-in the speakers, so that their axes cross just in front of the listener, may also improve the treble balance and stereo imagery in some situations.

The metal protective grille attached to the Muso speaker is acoustically transparent, so the speaker may be used with the grille on or off, as desired. If the speaker grille is removed, please remember that the drive units are exposed and can be easily damaged by inquisitive young fingers.



English

muso

speaker positioning: 5.1

The advice given here is a general guideline for setting up speakers. For useful information on listening-room layouts see: www.dolby.com/consumer/home_entertainment/roomlayout.html

Room acoustics

Your room's shape and how it is furnished will affect the sound you hear. For instance, too many bare surfaces can cause reflections that may add harshness to the sound. Carpets, wall-hangings and curtains can all help.

If you have a choice of listening rooms, avoid one that is perfectly square or has one dimension exactly twice another. Such a room can aggravate resonances that colour the sound.

The closer you place a speaker to corners and the intersection of wall and floor or wall and ceiling, the stronger the bass output, which may over-emphasise the bass. Moving a speaker just a few inches can sometimes make a big difference.

Speaker setup

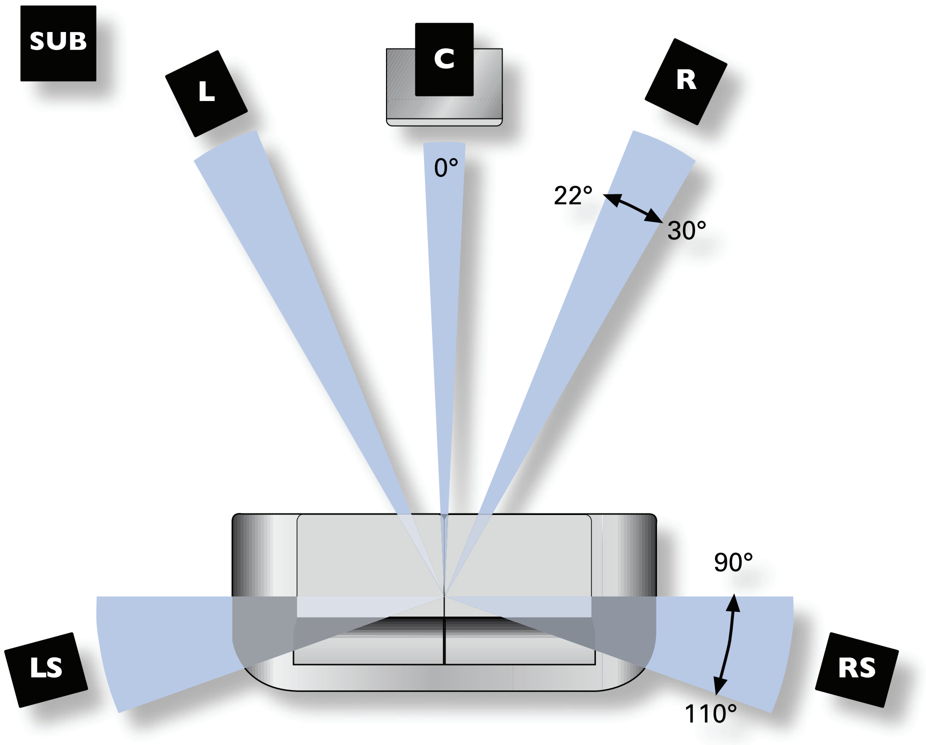
Proper speaker placement is the key to the best home theatre sound (see diagram).

As a rough guide, speakers should be placed on rigid stands at about 10–30cm from the rear wall and at least 60cm from any side wall. Speakers should never be placed on the floor (unless they are floor-standing speakers), or in corners. The speaker drivers should be at, or a little above, ear level when seated. If possible, centre your seating area between the surround speakers.

The final sound will depend on the acoustics of the listening room and experimenting with speaker positioning is very worthwhile.

Subwoofer

The location of the subwoofer (Low Frequency Effects speaker) will affect the overall sound quality. Placing the subwoofer next to a wall or in a corner will often boost efficiency and give a cleaner low bass sound. However, all rooms react differently and we recommend that you experiment with subwoofer positioning.



System design	Two-way ported speaker, with 2.2 litres internal volume. The cabinet is solidly constructed from cast and extruded aluminium.
Drive unit	85mm cone bass/mid-range unit. The drive unit is designed to provide exceptional clarity, transparency, dynamics and power-handling. 25mm neodymium aluminium-domed tweeter, semi horn-loaded for improved dispersion characteristics. Both drive units are magnetically shielded.
Frequency range	70Hz to 20kHz
Impedance	4Ω nominal
Sensitivity	85dB/watt, measured at 1m
Crossover	High-performance 6 element design 2.5kHz, 12dB/octave
Connections	4mm binding posts on the rear
Amplifier	100 watt/8Ω under normal operating conditions for a satellite system 30 watt/8Ω under normal operating conditions for a full-range system
Finish	Silver or Black paint finish
Dimensions	120 x 140 x 230mm (W x D x H)
Mass	Net 2.86kg per unit

Note that all specification values are typical, unless otherwise stated.

Continual improvement policy

Arcam has a policy of continual improvement for its products. This means that designs and specifications are subject to change without notice.

Worldwide Guarantee

This entitles you to have the unit repaired free of charge, during the first two years after purchase, at any authorised Arcam distributor provided that it was originally purchased from an authorised Arcam dealer or distributor. The manufacturer can take no responsibility for defects arising from accident, misuse, abuse, wear and tear, neglect or through unauthorised adjustment and/or repair, neither can they accept responsibility for damage or loss occurring during transit to or from the person claiming under the guarantee.

The warranty covers:

Parts and labour costs for two years from the purchase date. After two years you must pay for both parts and labour costs. **The warranty does not cover transportation costs at any time**.

Claims under guarantee

This equipment should be packed in the original packing and returned to the dealer from whom it was purchased, or failing this, directly to the Arcam distributor in the country of residence.

It should be sent carriage prepaid by a reputable carrier – **not** by post. No responsibility can be accepted for the unit whilst in transit to the dealer or distributor and customers are therefore advised to insure the unit against loss or damage whilst in transit.

For further details contact Arcam at:

Arcam Customer Support Department,
Pembroke Avenue, Waterbeach, CAMBRIDGE, CB25 9QR, England

or *www.arcam.co.uk*.

Problems?

If your Arcam dealer is unable to answer any query regarding this or any other Arcam product please contact Arcam Customer Support at the above address and we will do our best to help you.

On-line registration

You can register your product on-line at *www.arcam.co.uk*.

Universele garantie

Deze garantie geeft u het recht om de eenheid gratis te laten repareren, tijdens de eerste twee jaar na aankoop, bij elke erkende Arcam-distributeur, mits de eenheid oorspronkelijk bij een geautoriseerde Arcam-dealer of -distributeur aangekocht werd. De fabrikant kan geen verantwoordelijkheid aanvaarden voor fouten die ontstaan door ongelukken, verkeerd gebruik, misbruik, slijtage, onachtzaamheid of door ongeoorloofde aanpassingen en/of reparaties, en kan ook geen verantwoordelijkheid aanvaarden voor schade of verlies, ontstaan tijdens vervoer van of naar de persoon die onder de garantie claimt.

De garantie dekt:

Onderdelen en arbeidsloon voor twee jaar vanaf de datum van aankoop. Na twee jaar moet u zowel voor onderdelen als arbeidsloon betalen. **In geen enkel geval worden transportkosten door de garantie gedekt**.

Claims onder garantie

Deze apparatuur dient in de oorspronkelijke verpakking terugbezorgt te worden aan de dealer bij wie ze aangekocht werd, of anders rechtstreeks aan de Arcam-distributeur in het land waar u woont.

De eenheid dient, vracht betaald, via een gerenommeerde expediteur verstuurd te worden – **niet** per post. Tijdens vervoer naar de dealer of distributeur kan er geen verantwoordelijkheid voor de eenheid aanvaard worden, en klanten wordt daarom aangeraden de eenheid tegen verlies of schade tijdens vervoer te verzekeren.

Voor meer informatie kunt u contact opnemen met Arcam:

Arcam Customer Support Department,
Pembroke Avenue, Waterbeach, CAMBRIDGE, CB25 9QR, Engeland.

of *www.arcam.co.uk*

Problemen?

Als uw Arcam-dealer uw vragen betreffende dit of een ander Arcam-product niet kan beantwoorden, neemt u contact op met de Arcam-klantendienst op het bovenstaande adres, en wij zullen ons best doen om u te helpen.

Online-registratie

U kunt uw Arcam-product on line registreren op: *www.arcam.co.uk*

ARCAM

A&R Cambridge Ltd, Pembroke Avenue, Waterbeach, CAMBRIDGE CB25 9QR, England

SH185E
Issue 1

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A & R Cambridge Ltd.,
FREEPOST,
Pembroke Avenue,
Denny End Industrial Centre,
Waterbeach,
CAMBRIDGE,
CB25 9QR.

ARCAM

Dear Arcam Owner

On behalf of the whole Arcam team I would like to thank you for purchasing this Arcam hi-fi component.

I trust that the care and effort we have put into building this equipment will be amply demonstrated in its superior performance and reliability - ensuring that you enjoy many years of listening pleasure.

I'd like to invite you to register your ownership of this equipment with us

I always ask customers to register their new equipment with us. By doing so, we can keep you up to date with any information relevant to your hi-fi system, including upgrade opportunities and our regular newsletter, Arcamfile. Registering may also prove useful should your Arcam hi-fi ever be damaged, stolen or in need of servicing. I hope that you will register with us - all you need to do is fill in and return the registration form overleaf, or register online at www.arcam.co.uk/reg

I would also ask you to complete the mini-questionnaire. I'm always extremely interested to hear what our customers have to say about Arcam equipment and, for that matter, hi-fi in general. Your information and suggestions are very important to us and, I promise you, will help influence the future design and manufacture of our hi-fi components.

I need hardly add that anything you tell us will be treated in the strictest confidence and will not be disclosed to third parties.

So do please register online or fill in your registration form and post it back to us in the FREEPOST envelope provided - no stamps are needed in Great Britain, the Channel Islands or Northern Ireland. I look forward to hearing from you.

With best wishes and thanks

John Dawson

John Dawson
Chairman

Pembroke Avenue, Denny End Industrial Centre, Waterbeach, Cambridge, CB25 9QR
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A & R Cambridge Limited Registered in England 2880174

ARCAM OWNER REGISTRATION CARD

Personal Details

Title

First/Given Name

Surname/Family Name

Address

Postal Code

Country

E-mail

Occupation

Which age group are you in?

Under 18 | 25-34 | 50-63

18-24 | 35-49 | Over 63

Equipment Details

Model: ____________________

Serial Number: ____________________

If your unit has been upgraded, please complete the following details:

Unit Serial Number: (From back panel) ____________________

Upgrade: e.g. 7cd→9cd, DAVE module added

____

Date you made your purchase — Day / Month / Year

Dealer Name

Dealer District

Town

Dealer Country

Salesperson's Name (if known)

ARCAM OWNER MINI-QUESTIONNAIRE

1. Is this your first Arcam purchase?

   Yes | No, my second | 3rd | 4th or more

2. ~~Did the dealer install this equipment for you?~~

   Yes | No | No, but the service was offered

   No, mail order purchase

3. Where did you first hear about this Arcam product?

   Friend's recommendation | Dealer's recommendation

   Press advertisement - which magazine?

   Press article/review - which magazine?

   Other (please specify)

4. In order of importance, please list the factors which made you choose Arcam. (1= most important, 8 = least)

   Appearance | Dealer Recommendation

   Facilities | Reputation

   Price | Sound Quality

   Reliability | Upgradeability

   Others

5. Please list any other makes/models you may have considered:

6. What other items of hi-fi equipment (including Arcam) do you own and approximately when were these purchased?

Make	Model	Date

7. Which part of your system (if any) do you plan to add or update next, and approximately when?

8. How would you describe your dealer's service?

   Excellent | Good | Average | Poor

9. How satisfied were you with your salesperson?

   Excellent | Good | Average | Poor

10. Were you made aware of Arcam's upgrade program?

    Yes | No

11. Please use this space to make any other comments - good or bad - about our products or the service you received, or to request more information about any of our products.

12. If you **do not** wish to receive any information from us in the future please tick here.

For information on the latest Arcam products visit our website www.arcam.co.uk or call 01223 203203.

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REGISTER ONLINE AT www.arcam.co.uk/reg